

# SUN2 Rabbit mAb

Catalog No.: A19782 **Recombinant**

## Basic Information

### Observed MW

80kDa

### Calculated MW

80kDa

### Category

Primary antibody

### Applications

ELISA, WB, IHC-P

### Cross-Reactivity

Human, Mouse, Rat

### CloneNo number

ARC2311

## Background

SUN1 (MIM 607723) and SUN2 are inner nuclear membrane (INM) proteins that play a major role in nuclear-cytoplasmic connection by formation of a 'bridge' across the nuclear envelope, known as the LINC complex, via interaction with the conserved luminal KASH domain of nesprins (e.g., SYNE1; MIM 608441) located in the outer nuclear membrane (ONM). The LINC complex provides a direct connection between the nuclear lamina and the cytoskeleton, which contributes to nuclear positioning and cellular rigidity (summary by Haque et al., 2010 [PubMed 19933576]).

## Recommended Dilutions

**WB** 1:1000 - 1:5000

**IHC-P** 1:50 - 1:200

## Immunogen Information

### Gene ID

25777

### Swiss Prot

Q9UH99

### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 618-717 of human SUN2 (Q9UH99).

### Synonyms

UNC84B; rab5IP; SUN2

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

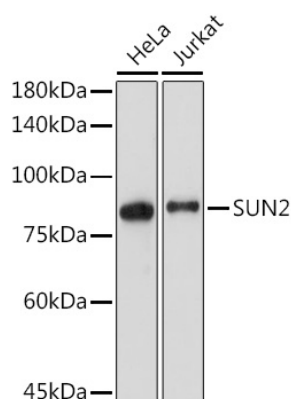
Affinity purification

### Storage

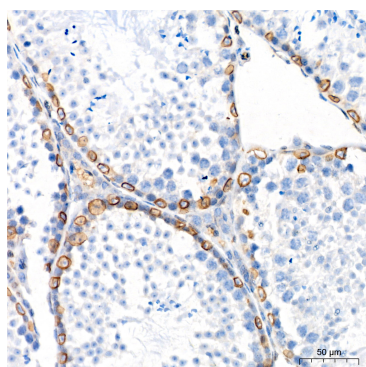
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

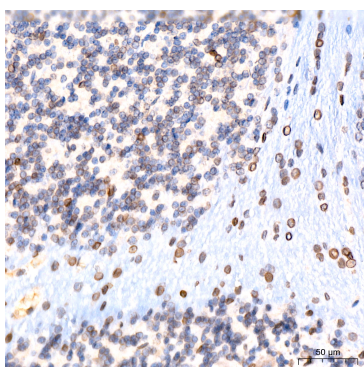
## Validation Data



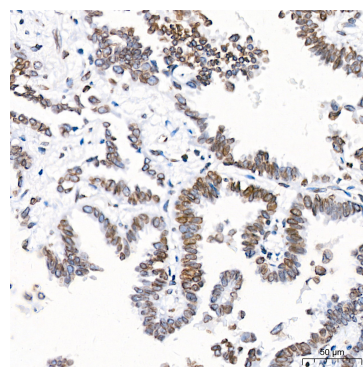
Western blot analysis of extracts of various cell lines, using SUN2 antibody (A19782) at 1:2000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 60s.



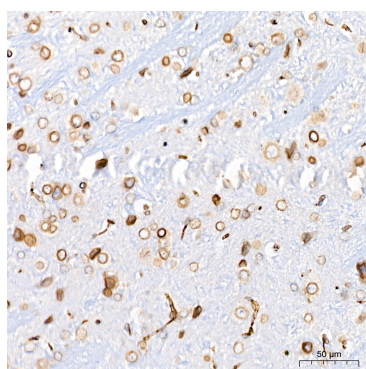
Immunohistochemistry analysis of SUN2 in paraffin-embedded mouse testis tissue using SUN2 Rabbit mAb (A19782) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



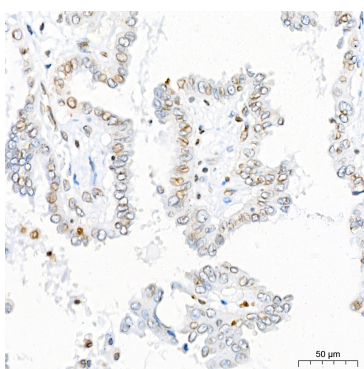
Immunohistochemistry analysis of SUN2 in paraffin-embedded rat brain tissue using SUN2 Rabbit mAb (A19782) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of SUN2 in paraffin-embedded Human lung adenocarcinoma tissue using SUN2 Rabbit mAb (A19782) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of SUN2 in paraffin-embedded mouse brain tissue using SUN2 Rabbit mAb (A19782) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of SUN2 in paraffin-embedded human thyroid cancer tissue using SUN2 Rabbit mAb (A19782) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.